BookletChart™

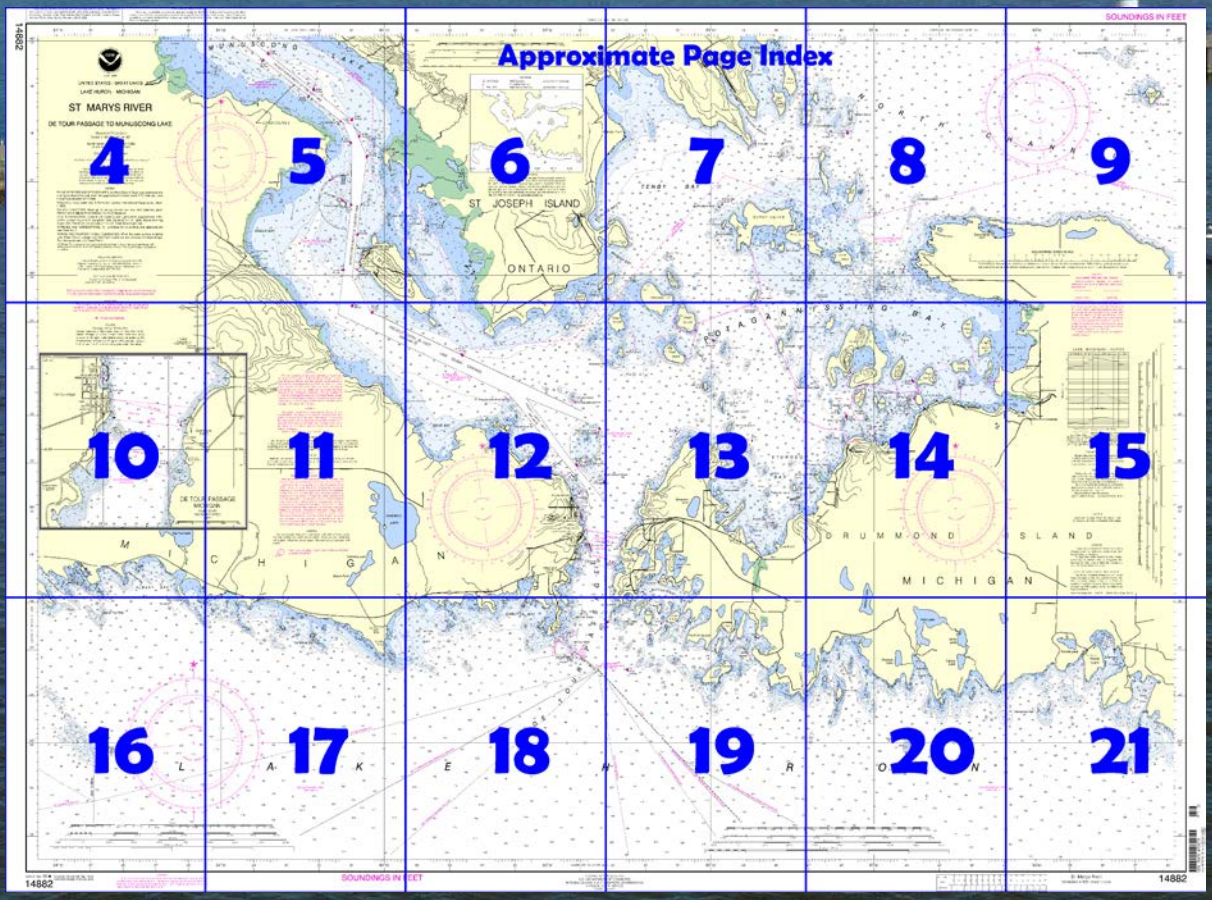
St. Marys River – DeTour Passage to Munuscong Lake

NOAA Chart 14882

A reduced-scale NOAA nautical chart for small boaters

When possible, use the full-size NOAA chart for navigation.

- Complete, reduced-scale nautical chart
- Print at home for free
- Convenient size
- Up-to-date with Notices to Mariners
- Compiled by NOAA's Office of Coast Survey, the nation's chartmaker



Published by the
National Oceanic and Atmospheric Administration
National Ocean Service
Office of Coast Survey
www.NauticalCharts.NOAA.gov
888-990-NOAA

What are Nautical Charts?

Nautical charts are a fundamental tool of marine navigation. They show water depths, obstructions, buoys, other aids to navigation, and much more. The information is shown in a way that promotes safe and efficient navigation. Chart carriage is mandatory on the commercial ships that carry America's commerce. They are also used on every Navy and Coast Guard ship, fishing and passenger vessels, and are widely carried by recreational boaters.

What is a BookletChart™?

This BookletChart is made to help recreational boaters locate themselves on the water. It has been reduced in scale for convenience, but otherwise contains all the information of the full-scale nautical chart. The bar scales have also been reduced, and are accurate when used to measure distances in this BookletChart. See the Note at the bottom of page 5 for the reduction in scale applied to this chart.

Whenever possible, use the official, full scale NOAA nautical chart for navigation. Nautical chart sales agents are listed on the Internet at http://www.NauticalCharts.NOAA.gov.

This BookletChart does NOT fulfill chart carriage requirements for regulated commercial vessels under Titles 33 and 44 of the Code of Federal Regulations.

Notice to Mariners Correction Status

This BookletChart has been updated for chart corrections published in the U.S. Coast Guard Local Notice to Mariners, the National Geospatial Intelligence Agency Weekly Notice to Mariners, and, where applicable, the Canadian Coast Guard Notice to Mariners. Additional chart corrections have been made by NOAA in advance of their publication in a Notice to Mariners. The last Notices to Mariners applied to this chart are listed in the Note at the bottom of page 7. Coast Pilot excerpts are not being corrected.

For latest Coast Pilot excerpt visit the Office of Coast Survey website at http://www.nauticalcharts.noaa.gov/nsd/searchbychart.php?chart=14882

(Selected Excerpts from Coast Pilot)
From **Beaver Tail Point** (45°58.0'N., 84°10.3'W.) E for 12.5 miles to Point De Tour, the shoreline continues irregular with numerous off-lying shoals and small islands, and should be given a berth of 1.3 miles. **Beaver Tail Reef,** with a least depth of 5 feet and submerged rocks, is 1 mile SE of Beaver Tail Point. **St. Vital Point** (45°56.9'N., 84°00.0'W.), about 8 miles E of Beaver Tail Point, forms the W side of **St. Vital Bay.**
Point De Tour (45°57.4'N., 83°54.8'W.) is on the W side of the entrance to De Tour Passage, the entrance to St. Marys River. (The passage is described in chapter 12, St. Marys River.) A shoal with a depth of 11 feet at its outer end extends 0.6 mile SW from the point**De Tour Reef,** with a least depth of 15 feet, extends about 0.7 mile SE from the point. **De Tour Reef Light** (45°56.9'N., 83°54.2'W.), 74 feet above the water, is shown from a white square tower on a crib on the SE end of the reef
From Barbed Point N for 3 miles to **Black Rock Point** (46°00.6'N., 83°51.9'W.), the W shore of Drummond Island fronts De Tour Passage. Osborne Materials Company operates a dock for the shipment of dolomite 1.3 miles N of Barbed Point. The 800-foot dock has a deck height of 10 feet and depths of 23 feet reported alongside. A conveyor system can load vessels at 4,000 tons per hour. When approaching or leaving the dock, avoid the shoals marked by buoys N and S of the dock.
Potagannissing Bay, a deep, wide passageway between the NW side of Drummond Island and St. Joseph Island, connects the W end of North Channel with the St. Marys River immediately N of De Tour Passage. However, the bay is obstructed by numerous islands and by many shoals which make up abruptly from deep water.
Potagannissing Bay indents the NW shore of Drummond Island between **Dix Point** (46°01.5'N., 83°50.7'W.) and **Chippewa Point** (46°05.9'N., 83°43.2'W.). **Drummond, MI,** a town on the S side of the indentation 4.5 miles E of Dix Point, has a sawmill and limestone quarries. A marina at the town provides gasoline, diesel fuel, water, electricity, sewage pump-out, marine supplies, and a launching ramp.
Whitney Bay, on the E side of Barbed Point, is separated from the lake by several islands with two deep channels, marked by private buoys, leading into the bay. Outside the islands in the approach to the bay, several shoals rise abruptly from deep water. The outermost is a rock, covered 7 feet, 0.9 mile S of **Bellevue Island** and marked on the SW side by a buoy.
Island Harbor, 3 miles SE of Barbed Point, is separated from Whitney Bay **Point Anderson. Espanore Island,** 0.8 mile SE of Point Anderson, encloses Island Harbor on the SW. A 1-foot reef with scattered boulders is 0.8 mile NW of the SW end of Espanore Island with a 13-foot shoal between. A rocky ledge extends 0.7 mile S from the island, and a ledge with rocks awash that extends 0.4 mile E from the island narrows the entrance to Island Harbor to about 0.25 mile.
Huron Bay, 2.5 miles E of Island Harbor, has a deep entrance about 0.4 mile wide on the E side of **Gravel Island.** A ledge with rocks awash extends 0.7 mile S from the E side of the bay. A rocky ledge with depths of 1 to 4 feet extends 0.7 mile S from Gravel Island.
From Huron Bay E for 7 miles to Big Shoal Cove, the shore is bordered by shoals extending about 0.5 mile off. **Shoal,** a detached shoal with a least depth of 5 feet, is 2 miles SE of Gravel Island.
Scammon Cove, just NW of Big Shoal Cove, is enclosed between **Meade Island** on the W and **Scammon Point** on the SE. **Horseshoe Reef,** awash, is 1.3 miles SW of Meade Island. A large shoal with a least depth of 8 feet is between Meade Island and Horseshoe Reef.
De Tour Passage forms the mouth, or S end, of St. Marys River. The passage has deep water for a width of over 2,500 feet between the E end of the upper peninsula of Michigan on the W and the W end of Drummond Island on the E. Shoals border the passage are well marked. It is recommended that the following limit of anchorage be observed in Lake Huron off De Tour Light so that vessels may enter or leave De Tour Passage in time of congestion due to fog or other conditions: No vessel to anchor E of a bearing on De Tour Light of **340°**, or closer than 0.75 mile to the light or N of the De Tour Martin Reef course.

U.S. Coast Guard Rescue Coordination Center
24 hour Regional Contact for Emergencies

RCC Cleveland	Commander 9th CG District Cleveland, OH	(216) 902-6117

Table of Selected Chart Notes

Ⓟ Pump-out facilities

CAUTION

Improved channels shown by broken lines are subject to shoaling, particularly at the edges.

CAUTION

SUBMARINE PIPELINES AND CABLES

Charted submarine pipelines and submarine cables and submarine pipeline and cable areas are shown as:

Additional uncharted submarine pipelines and submarine cables may exist within the area of this chart. Not all submarine pipelines and submarine cables are required to be buried, and those that were originally buried may have become exposed. Mariners should use extreme caution when operating vessels in depths of water comparable to their draft in areas where pipelines and cables may exist, and when anchoring, dragging, or trawling.

Covered wells may be marked by lighted or unlighted buoys.

CAUTION

Temporary changes or defects in aids to navigation are not indicated on this chart. See Local Notice to Mariners.

During some winter months or when endangered by ice, certain aids to navigation are replaced by other types or removed. For details see U.S. Coast Guard Light List.

CAUTION

Limitations on the use of radio signals as aids to marine navigation can be found in the U.S. Coast Guard Light Lists and National Geospatial-Intelligence Agency Publication 117.

Radio direction-finder bearings to commercial broadcasting stations are subject to error and should be used with caution.

Station positions are shown thus:
⊙(Accurate location) o(Approximate location)

RADAR REFLECTORS

Radar reflectors have been placed on many floating aids to navigation. Individual radar reflector identification on these aids has been omitted from this chart.

Low Water Datum, which is the plane of reference for the levels shown on the above hydrograph, is also the plane of reference for the charted depths. If the lake level is above or below Low Water Datum, the existing depths are correspondingly greater or lesser than the charted depths.

NOAA WEATHER RADIO BROADCASTS

The NOAA Weather Radio station listed below provides continuous weather broadcasts. The reception range is typically 20 to 40 nautical miles from the antenna site, but can be as much as 100 nautical miles for stations at high elevations.

Sault Ste Marie, Mi KIG-74 162.55 MHz (Chan WX-1)

NOTE C

The U.S. Coast Guard operates a mandatory Vessel Traffic Services (VTS) system in the St. Mary's River. Vessel operating procedures and designated radiotelephone frequencies are published in 33 CFR 161, the U.S. Coast Pilot, and/or the VTS User's Manual. Mariners should consult these sources for applicable rules and reporting requirements. Although mandatory VTS participation is limited to the navigable waters of the United States, certain vessels are encouraged or may be required, as a condition of port entry, to report beyond this area to facilitate traffic management within the VTS area.

HORIZONTAL DATUM

The horizontal reference datum of this chart is North American Datum of 1983 (NAD 83), which for charting purposes is considered equivalent to the World Geodetic System of 1984 (WGS 84). Geographic positions referred to the North American Datum of 1927 do not require conversion to NAD 83 for plotting on this chart.

NOTE A

Navigation regulations are published in Chapter 2, U.S. Coast Pilot 6. Additions or revisions to Chapter 2 are published in the Notice to Mariners. Information concerning the regulations may be obtained at the Office of the Commander, 9th Coast Guard District in Cleveland, Ohio or at the Office of the District Engineer, Corps of Engineers in Detroit, Michigan.

Refer to charted regulation section numbers.

POLLUTION REPORTS

Report all spills of oil and hazardous substances to the National Response Center via 1-800-424-8802 (toll free), or to the nearest U.S. Coast Guard facility if telephone communication is impossible (33 CFR 153).

NOTE Z

NO-DISCHARGE ZONE, 40 CFR 140

Michigan waters of Lakes Michigan, Huron, Superior, Erie and St. Clair, all waterways connected thereto, and all inland lakes are designated as a No-Discharge Zone (NDZ). Under the Clean Water Act, Section 312, all vessels operating within a No-Discharge Zone (NDZ) are completely prohibited from discharging any sewage, treated or untreated, into the waters. Commercial vessel sewage shall include graywater. All vessels with an installed marine sanitation device (MSD) that are navigating, moored, anchored, or docked within a NDZ must have the MSD disabled to prevent the overboard discharge of sewage (treated or untreated) or install a holding tank. Regulations for the NDZ are contained in the U.S. Coast Pilot. Additional information concerning the regulations and requirements may be obtained from the Environmental Protection Agency (EPA) web site: http://www.epa.gov/owow/oceans/regulatory/vessel_sewage/.

CAUTION

POTABLE WATER INTAKE (PWI)

Vessels operating in fresh water lakes or rivers shall not discharge sewage, or ballast, or bilge water within such areas adjacent to domestic water intakes as are designated by the Commissioner of Food and Drugs (21 CFR 1250.93). Consult U. S. Coast Pilot 6 for important supplemental information.

Traffic Control calling-in point; arrow indicates direction of vessel movement.

Cr

WARNING

The prudent mariner will not rely solely on any single aid to navigation, particularly on floating aids. See U.S. Coast Guard Light List and U.S. Coast Pilot 6 for details.

SOURCE DIAGRAM

Most of the hydrography identified by the letter "j" was surveyed by the U.S. Army Corps of Engineers prior to 1974. Other outlined areas represent the limits of the most recent hydrographic survey information that has been evaluated for charting. Surveys have been banded in this diagram by date and type of survey. Channels currently maintained by the U.S. Army Corps of Engineers are periodically resurveyed and are not shown on this diagram. Refer to Chapter 1, United States Coast Pilot.

CAUTION

Due to periodic high water conditions in the Great Lakes, some features charted as visible at Low Water Datum may be submerged, particularly in the near shore areas. Mariners should proceed with caution.

Sailing courses and limits indicated in magenta are recommended by the Lake Carriers Association and the Canadian Shipowners Association.

NOTE D

Mariners are warned that numerous uncharted stakes and fishing structures some submerged, may exist in the area of this chart. Such structures are not charted unless known to be permanent.

NOTE B

The channel legend reflects the Corps of Engineers project depth. The Corps of Engineers publishes the controlling depth periodically in the U.S. Coast Guard Local Notice to Mariners. For further information on channel depths, direct inquiries to the Office of the District Engineer, Corps of Engineers, Detroit, Michigan.

NOTES

PLANE OF REFERENCE OF THIS CHART (Low Water Datum). Depths are referred to the sloping surface of the river when the gage below the locks reads 578.4 feet and Lake Huron is at elevation 577.5 feet.

Referred to mean water level at Rimouski, Quebec, International Great Lakes Datum (1985).

AUTHORITIES. Hydrography and topography by the National Ocean Service,Coast Survey, with additional data from the Corps of Engineers, Geological Survey, U.S. Coast Guard, and Canadian authorities.

SAILING DIRECTIONS. Bearings of sailing courses are true and distances given thereon are in statute miles between points of departure.

BRIDGE AND OVERHEAD CABLE CLEARANCES. When the water surface is above Low Water Datum, bridge and overhead clearances are reduced correspondingly. For clearances see U.S. Coast Pilot 6.

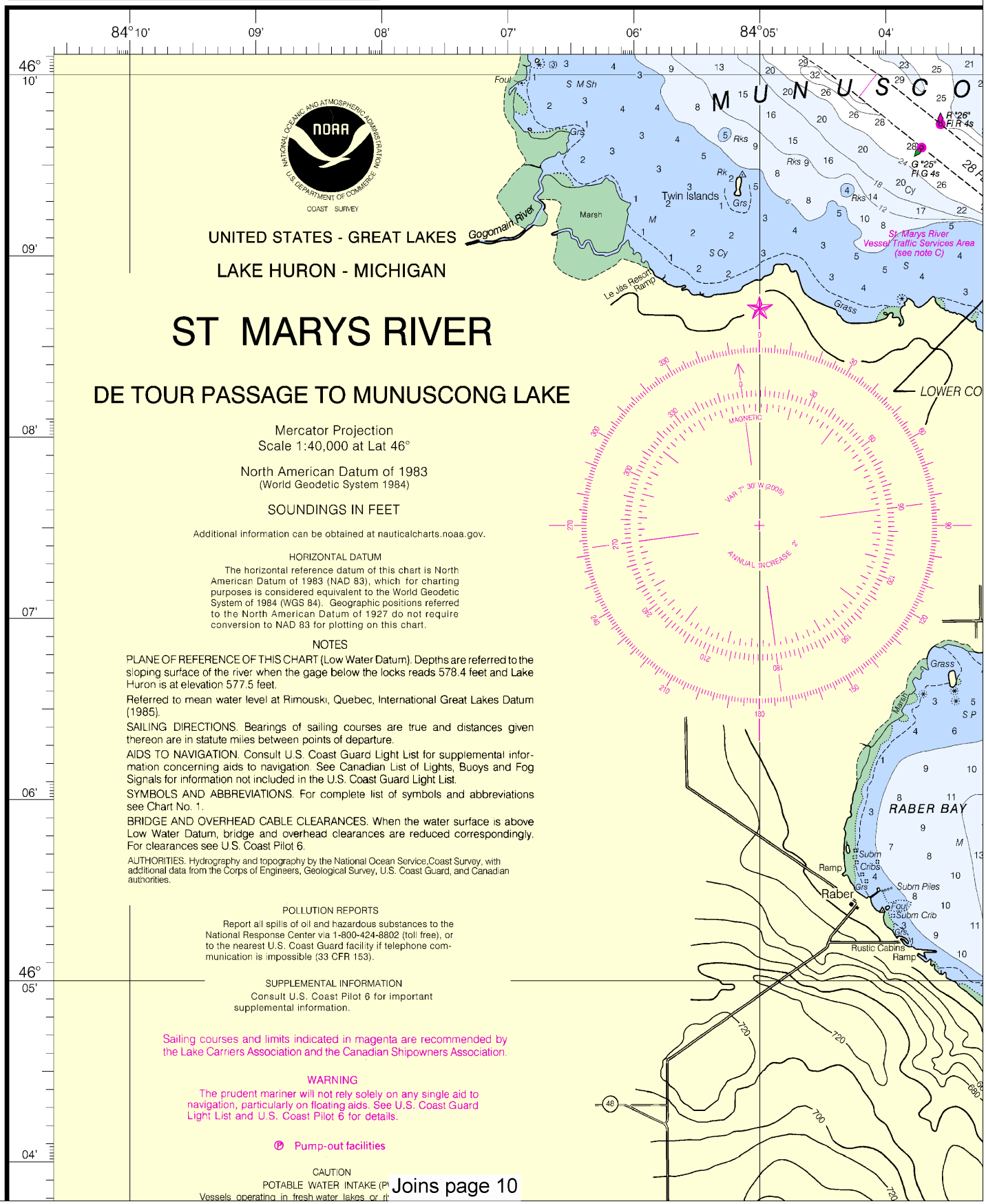
AIDS TO NAVIGATION. Consult U.S. Coast Guard Light List for supplemental information concerning aids to navigation. See Canadian List of Lights, Buoys and Fog Signals for information not included in the U.S. Coast Guard Light List.

14882

This nautical chart has been designed to promote safe navigation. The National Ocean Service encourages users to submit corrections, additions, or comments for improving this chart to the Chief, Marine Chart Division (N/CS2), National Ocean Service, NOAA, Silver Spring, Maryland 20910-3282.

PRINT-ON-DEMAND CHARTS

This chart is available in a version updated weekly by NOAA for Notices to Mariners and critical corrections. Charts are printed when ordered using Print-on-Demand technology. New Editions are available 5-8 weeks before their release as traditional NOAA charts. Ask your chart agent about Print-on-Demand charts.



Printed at reduced scale.

~~SCALE 1:40,000~~

Nautical Miles

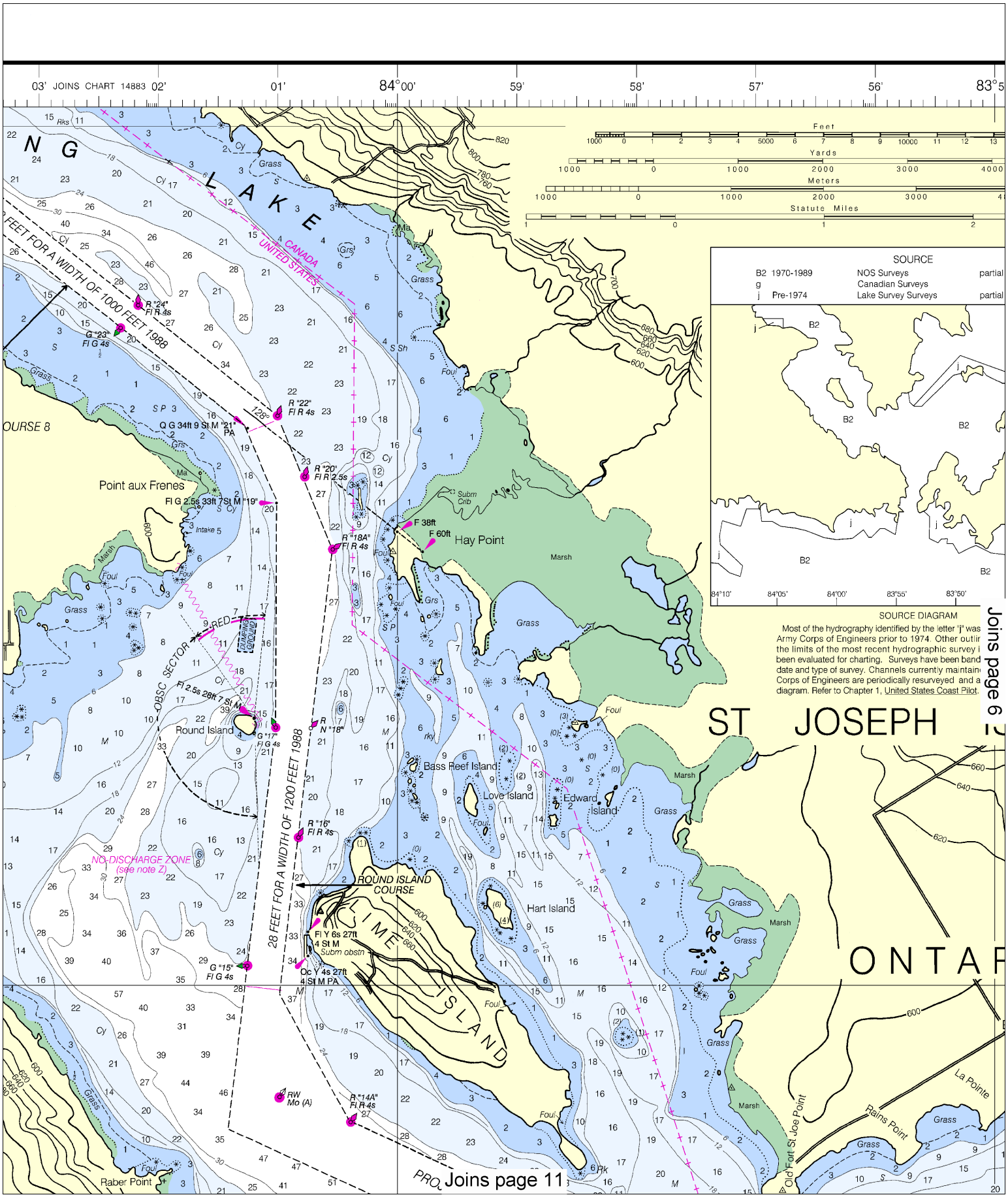
1 ½ 0 1 2 3

Yards

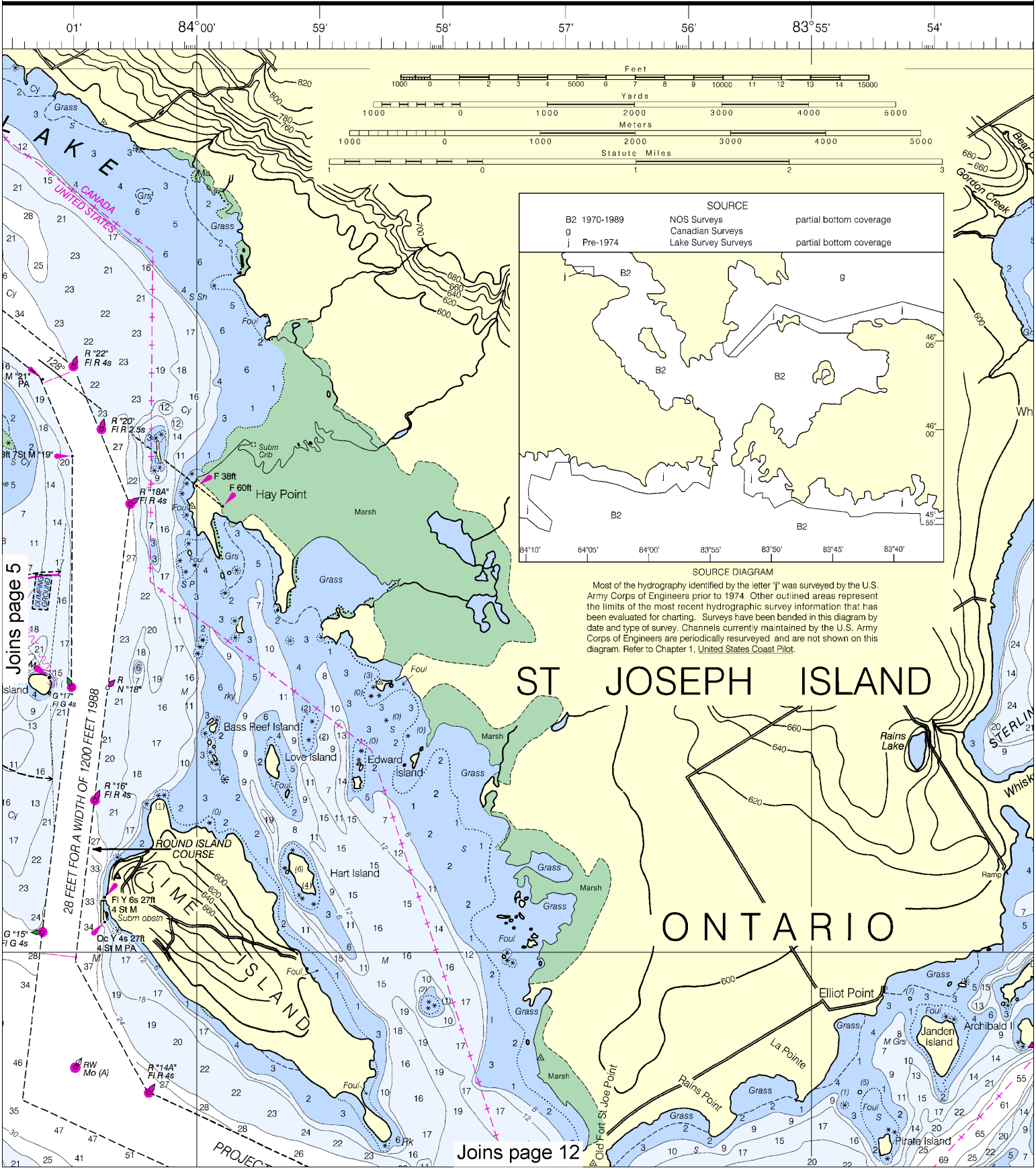
1000 0 1000 2000 3000 4000 5000

See Note on page 5.

Note: Chart grid lines are aligned with true north.



This BookletChart was reduced to 75% of the original chart scale.
The new scale is 1:53333. Barscales have also been reduced and
are accurate when used to measure distances in this BookletChart.

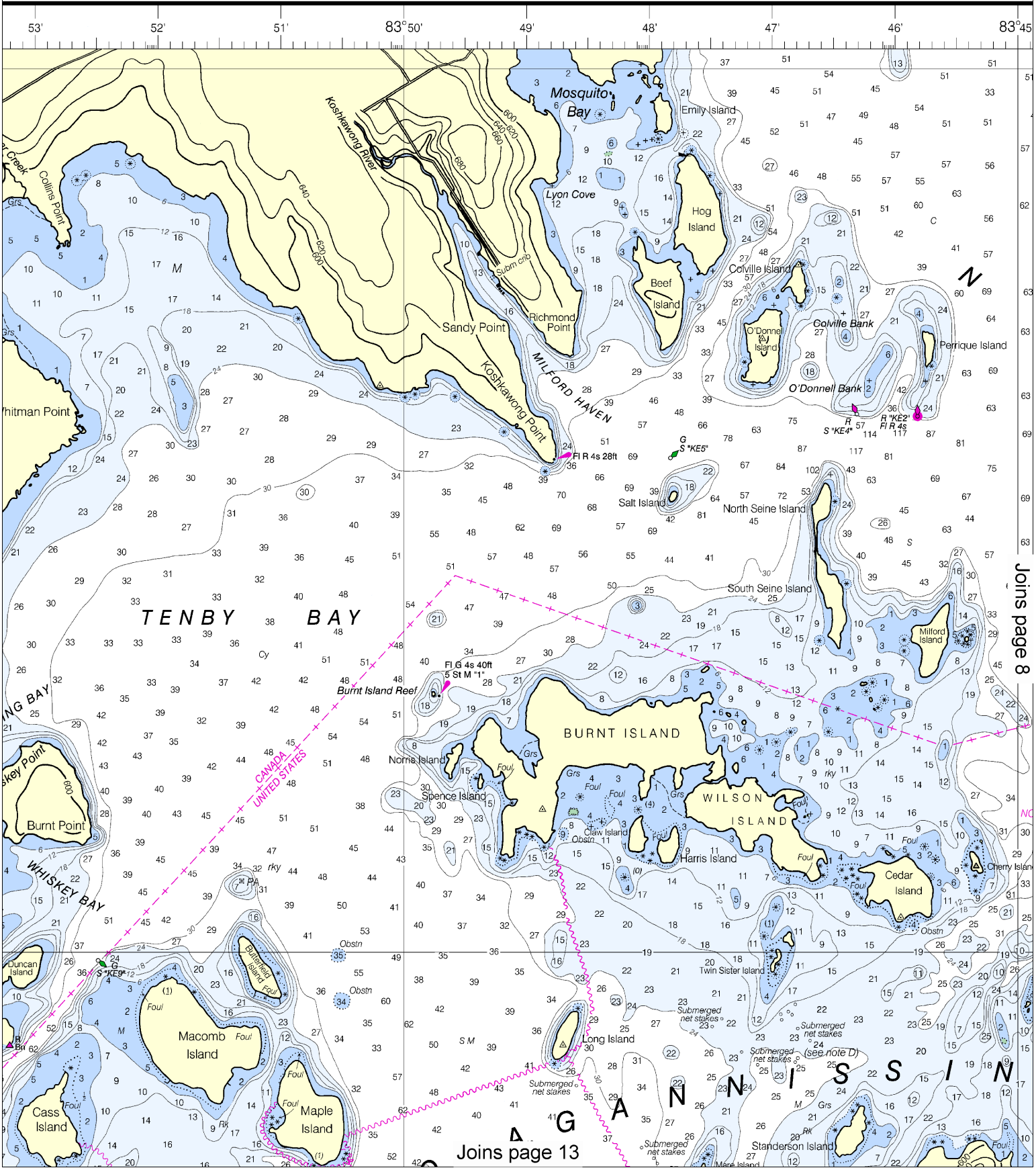


6

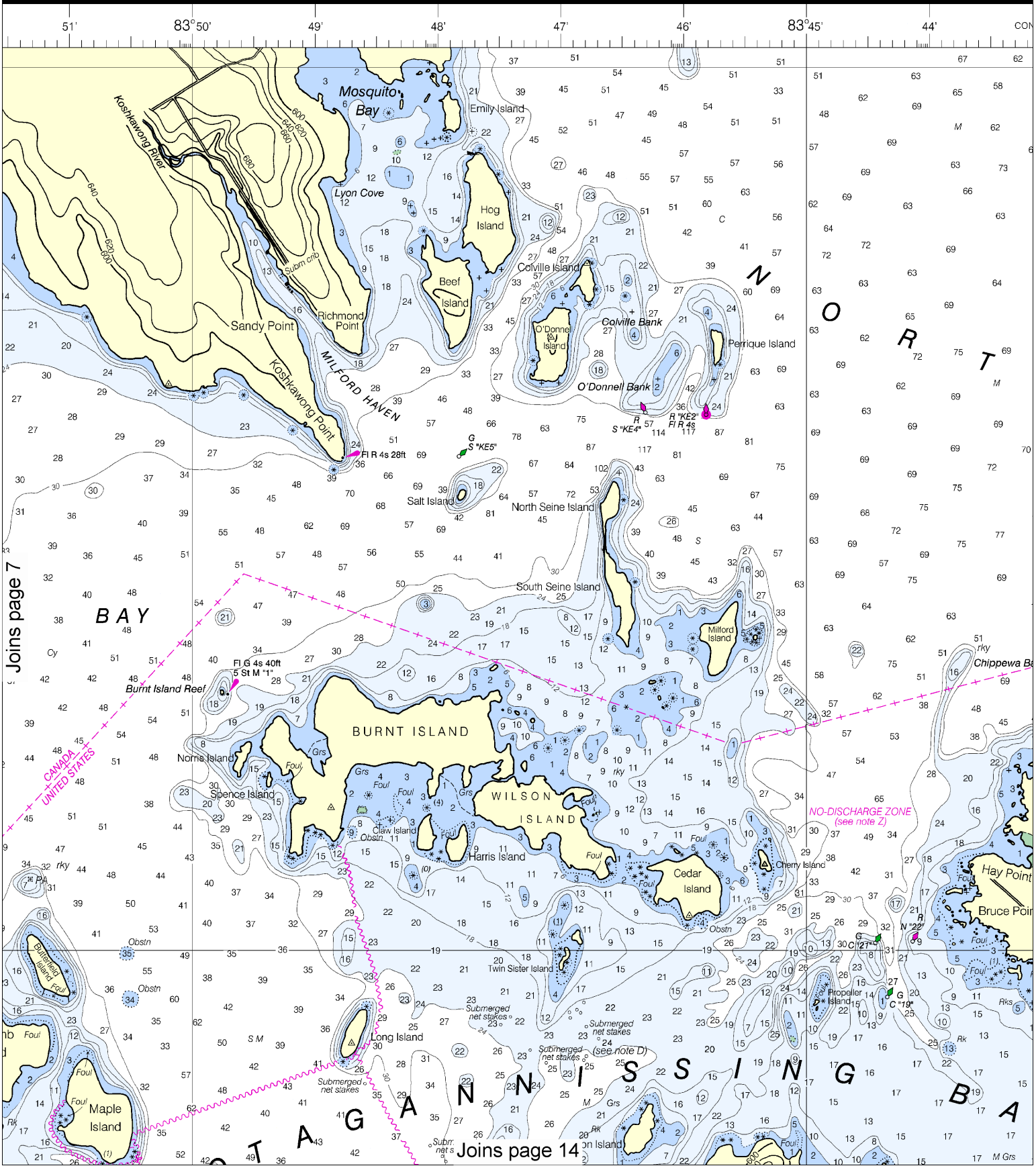
Note: Chart grid lines are aligned with true north.

Printed at reduced scale. ~~SCALE 1:40,000~~

See Note on page 5.



This BookletChart has been updated through: Coast Guard Local Notice To Mariners: 4712 11/20/2012,
NGA Weekly Notice to Mariners: 4812 12/1/2012,
Canadian Coast Guard Notice to Mariners: 1012 10/26/2012.



8

Note: Chart grid lines are aligned with true north.

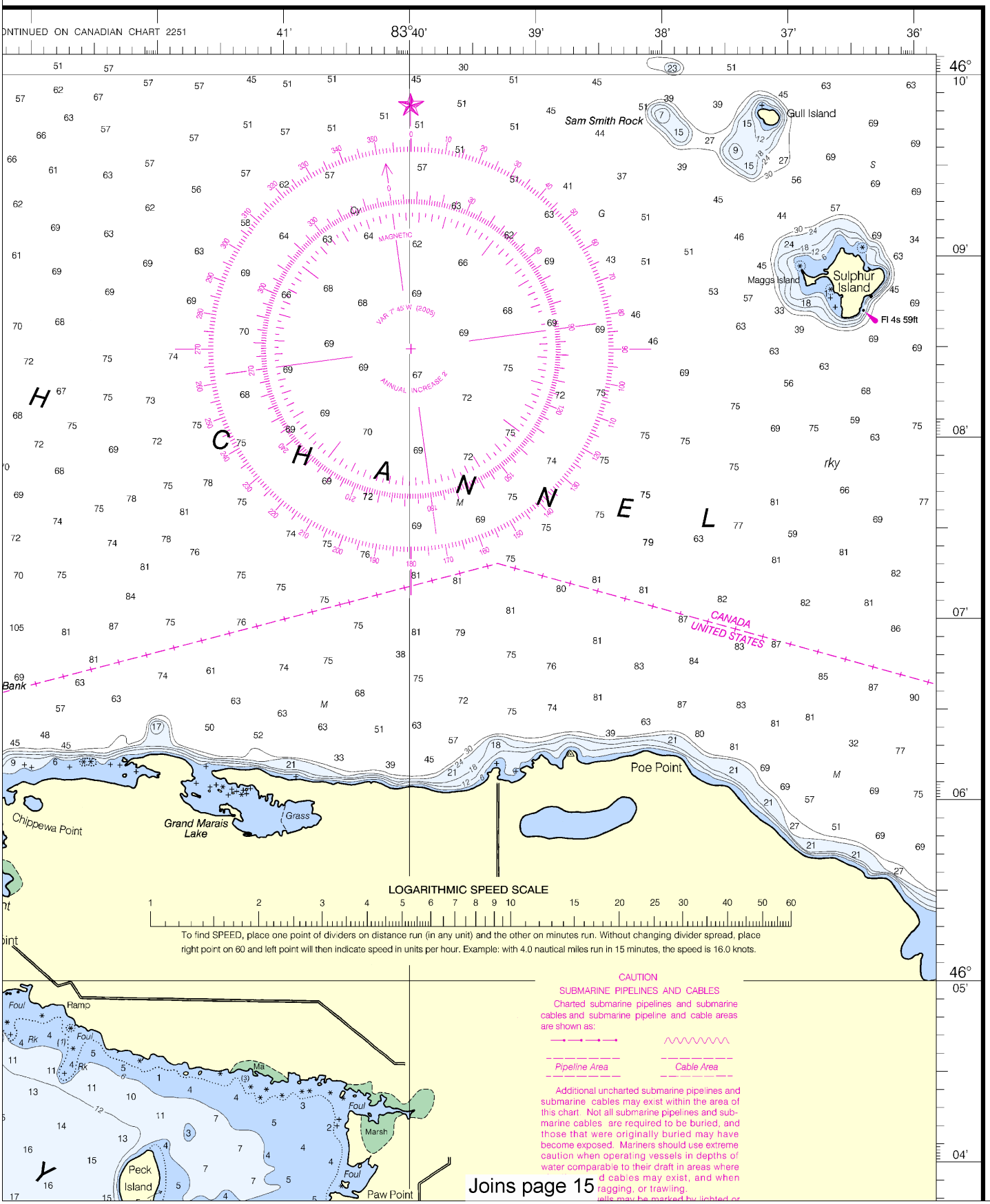
Printed at reduced scale. ~~SCALE 1:40,000~~

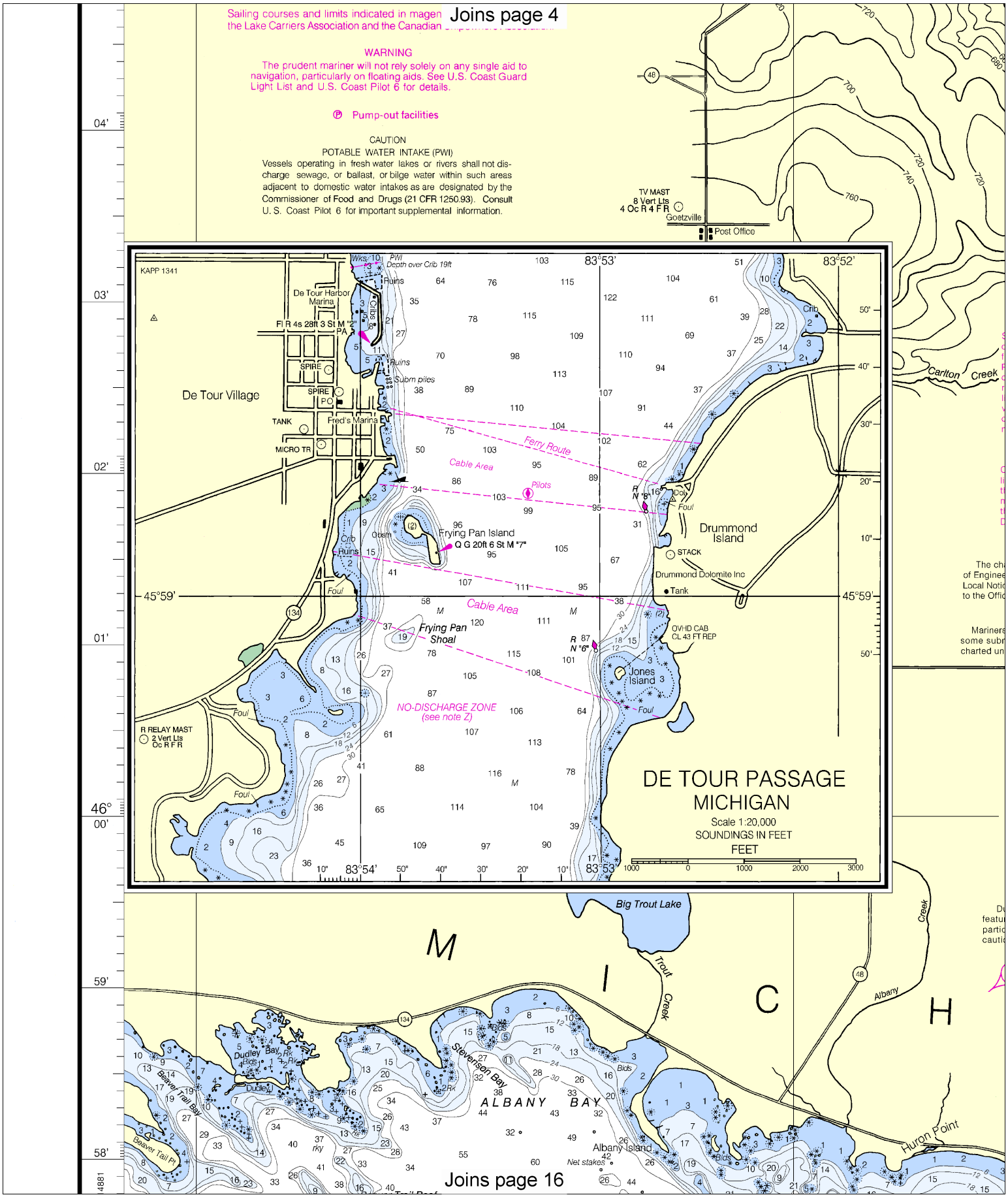
Nautical Miles: 1 ½ 0 1 2 3

Yards: 1000 0 1000 2000 3000 4000 5000

See Note on page 5.

SOUNDINGS IN FEET





Note: Chart grid lines are aligned with true north.

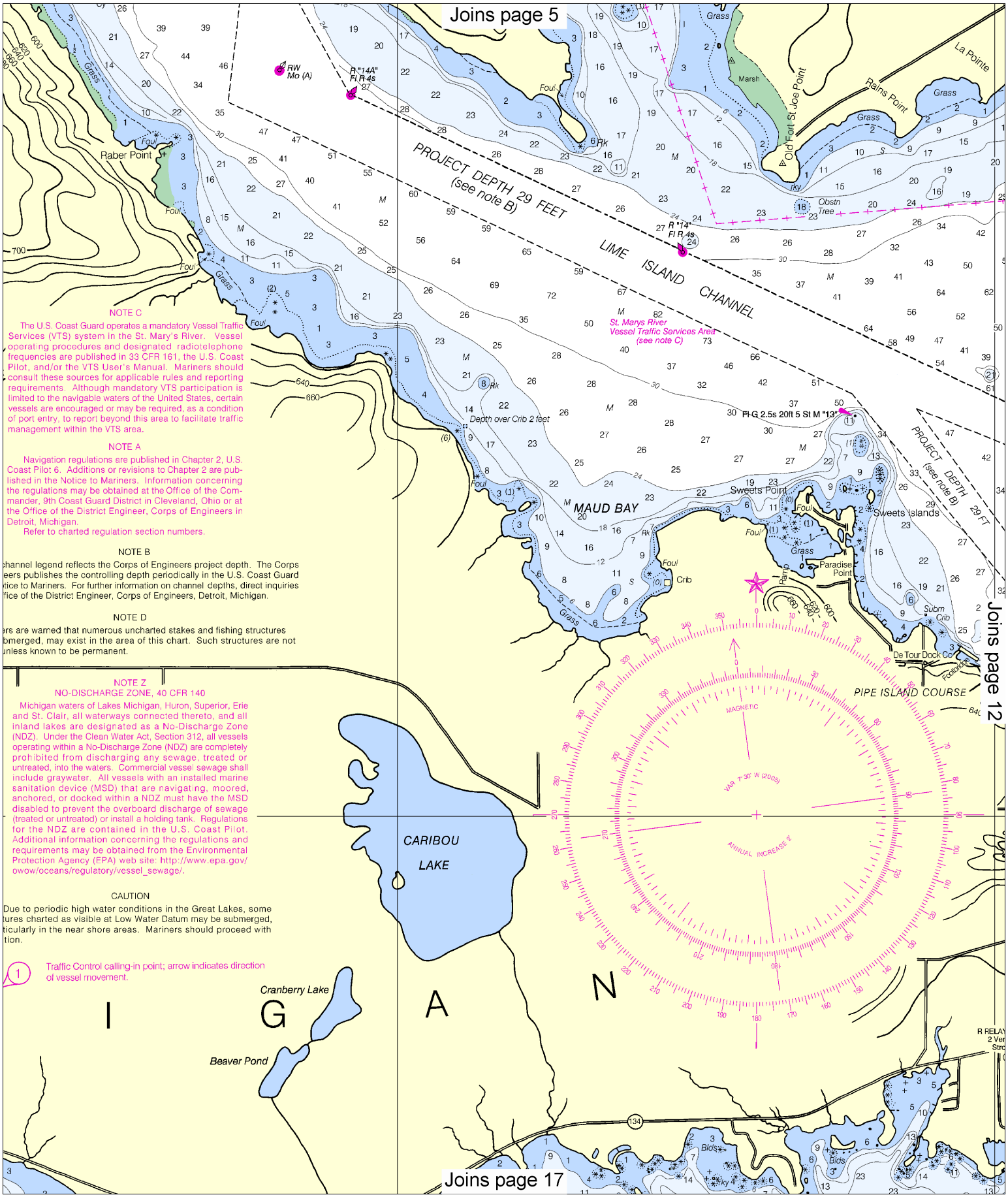
Printed at reduced scale.

~~SCALE 1:40,000~~

Nautical Miles: 1 ½ 0 1 2 3

Yards: 1000 0 1000 2000 3000 4000 5000

See Note on page 5.



NOTE C

The U.S. Coast Guard operates a mandatory Vessel Traffic Services (VTS) system in the St. Mary's River. Vessel operating procedures and designated radiotelephone frequencies are published in 33 CFR 161, the U.S. Coast Pilot, and/or the VTS User's Manual. Mariners should consult these sources for applicable rules and reporting requirements. Although mandatory VTS participation is limited to the navigable waters of the United States, certain vessels are encouraged or may be required, as a condition of port entry, to report beyond this area to facilitate traffic management within the VTS area.

NOTE A

Navigation regulations are published in Chapter 2, U.S. Coast Pilot 6. Additions or revisions to Chapter 2 are published in the Notice to Mariners. Information concerning the regulations may be obtained at the Office of the Commander, 9th Coast Guard District in Cleveland, Ohio or at the Office of the District Engineer, Corps of Engineers in Detroit, Michigan.

Refer to charted regulation section numbers.

NOTE B

channel legend reflects the Corps of Engineers project depth. The Corps eers publishes the controlling depth periodically in the U.S. Coast Guard tice to Mariners. For further information on channel depths, direct inquiries fice of the District Engineer, Corps of Engineers, Detroit, Michigan.

NOTE D

rs are warned that numerous uncharted stakes and fishing structures bmerged, may exist in the area of this chart. Such structures are not unless known to be permanent.

NOTE Z

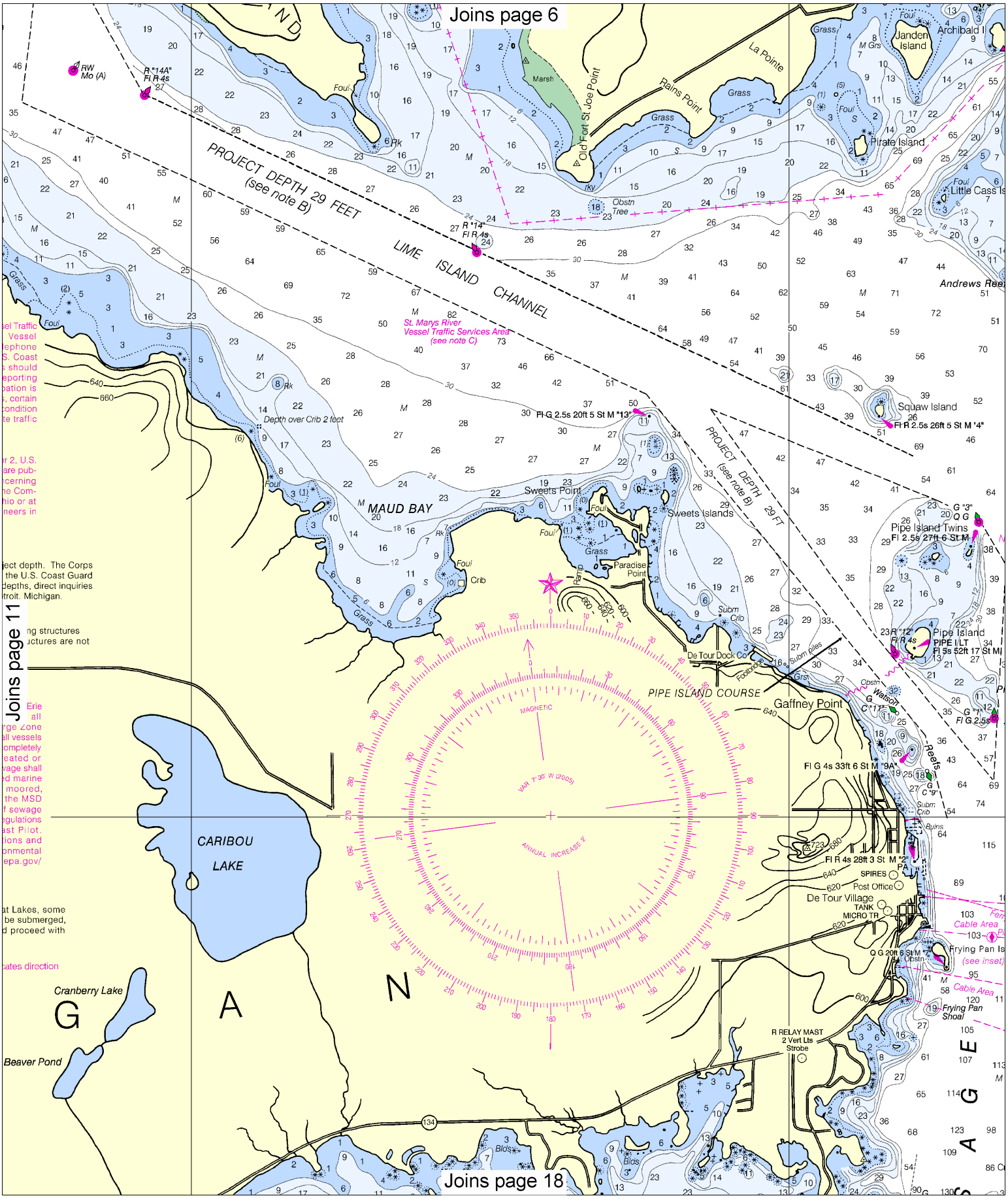
NO-DISCHARGE ZONE, 40 CFR 140

Michigan waters of Lakes Michigan, Huron, Superior, Erie and St. Clair, all waterways connected thereto, and all inland lakes are designated as a No-Discharge Zone (NDZ). Under the Clean Water Act, Section 312, all vessels operating within a No-Discharge Zone (NDZ) are completely prohibited from discharging any sewage, treated or untreated, into the waters. Commercial vessel sewage shall include graywater. All vessels with an installed marine sanitation device (MSD) that are navigating, moored, anchored, or docked within a NDZ must have the MSD disabled to prevent the overboard discharge of sewage (treated or untreated) or install a holding tank. Regulations for the NDZ are contained in the U.S. Coast Pilot. Additional information concerning the regulations and requirements may be obtained from the Environmental Protection Agency (EPA) web site: http://www.epa.gov/owow/oceans/regulatory/vessel_sewage/.

CAUTION

Due to periodic high water conditions in the Great Lakes, some tures charted as visible at Low Water Datum may be submerged, ticularly in the near shore areas. Mariners should proceed with tion.

(1) Traffic Control calling-in point; arrow indicates direction of vessel movement.



12

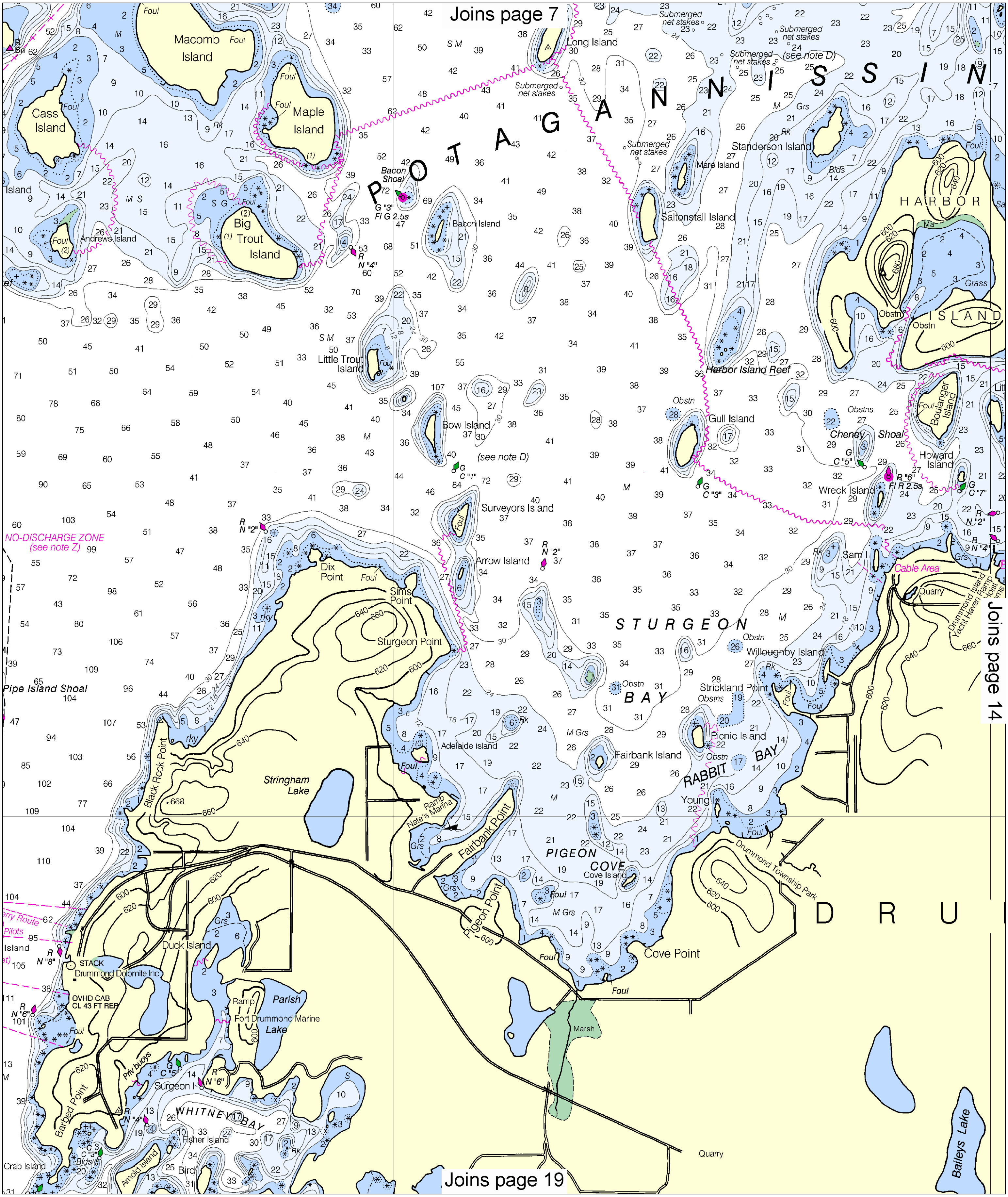
Note: Chart grid lines are aligned with true north.

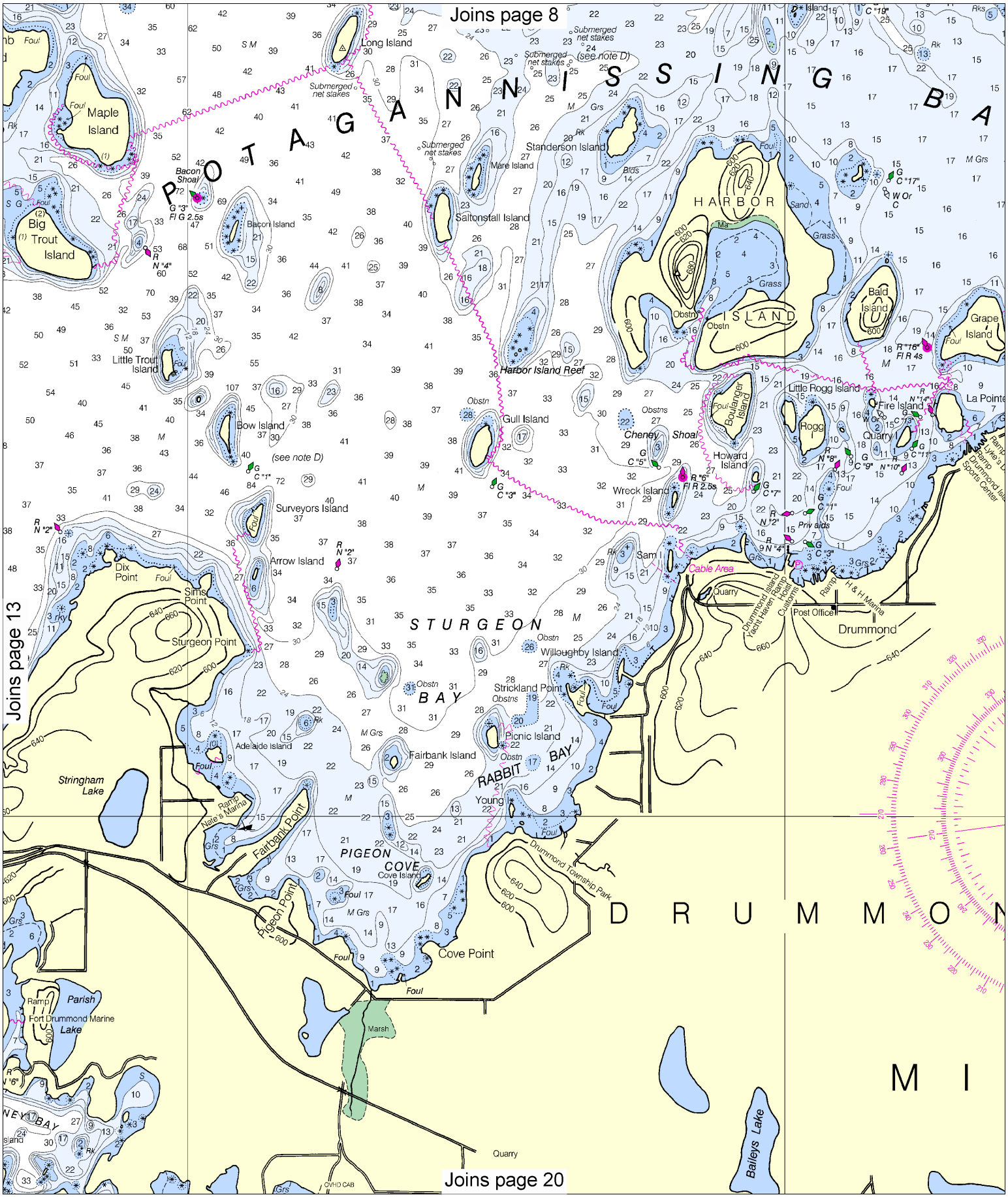
Printed at reduced scale. ~~SCALE 1:40,000~~

Nautical Miles: 1 ½ 0 1 2 3

Yards: 1000 0 1000 2000 3000 4000 5000

See Note on page 5.


Joins page 7
Joins page 14
Joins page 19
POTAGANNISSING
HARBOR ISLAND
STURGEON BAY
PIGEON COVE
RABBIT BAY
WHITNEY BAY
DRU
Macomb Island
Maple Island
Cass Island
Big Trout Island
Andrews Island
Long Island
Bacon Shoal
G "3" Fl G 2.5s
R N "4"
Bacon Island
Little Trout Island
Bow Island
Surveyors Island
Arrow Island
R N "2"
G C "1"
(see note D)
Saltonstall Island
Mare Island
Standerson Island
Harbor Island Reef
Gull Island
Cheney Shoal
G C "3"
G C "5"
R "6" Fl R 2.5s
Wreck Island
Howard Island
Boulanger Island
G C "7"
Sam I
Cable Area
Quarry
Drummond Island Yacht Haven Ramp
Dix Point
Sims Point
Sturgeon Point
Willoughby Island
Strickland Point
Picnic Island
Fairbank Island
Young I
Adelaide Island
Stringham Lake
Black Rock Point
Pipe Island Shoal
NO-DISCHARGE ZONE
(see note Z)
Submerged net stakes
Nate's Marina
Ramp
Fairbank Point
Pigeon Point
Cove Island
Cove Point
Drummond Township Park
Marsh
Duck Island
STACK
Drummond Dolomite Inc
OVHD CAB CL 43 FT REP
Parish Lake
Fort Drummond Marine
Priv buoys
Surgeon I
Barbed Point
Arnold Island
Fisher Island
Bird
Crab Island
Baileys Lake
Quarry
Ferry Route
Pilots
Foul
Obstn
Grs
Rk



14

Note: Chart grid lines are aligned with true north.

Printed at reduced scale. ~~SCALE 1:40,000~~

Nautical Miles: 1 ½ 0 1 2 3

Yards: 1000 0 1000 2000 3000 4000 5000

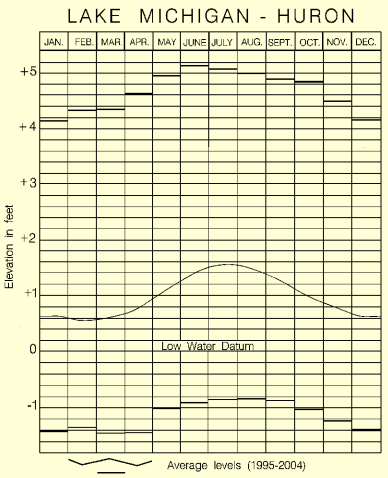
See Note on page 5.

Joins page 9

Pipeline Area — Cable Area

Additional uncharted submarine pipelines and submarine cables may exist within the area of this chart. Not all submarine pipelines and submarine cables are required to be buried, and those that were originally buried may have become exposed. Mariners should use extreme caution when operating vessels in depths of water comparable to their draft in areas where pipelines and cables may exist, and when anchoring, dragging, or trawling.

Covered wells may be marked by lighted or unlighted buoys.



Low Water Datum, which is the plane of reference for the levels shown on the above hydrograph, is also the plane of reference for the charted depths. If the lake level is above or below Low Water Datum, the existing depths are correspondingly greater or lesser than the charted depths.

RADAR REFLECTORS

Radar reflectors have been placed on many floating aids to navigation. Individual radar reflector identification on these aids has been omitted from this chart.

CAUTION

Limitations on the use of radio signals as aids to marine navigation can be found in the U.S. Coast Guard Light Lists and National Geospatial-Intelligence Agency Publication 117.

Radio direction-finder bearings to commercial broadcasting stations are subject to error and should be used with caution.

Station positions are shown thus:
⊙(Accurate location) o(Approximate location)

CAUTION

Improved channels shown by broken lines are subject to shoaling, particularly at the edges.

CAUTION

Temporary changes or defects in aids to navigation are not indicated on this chart. See Local Notice to Mariners.

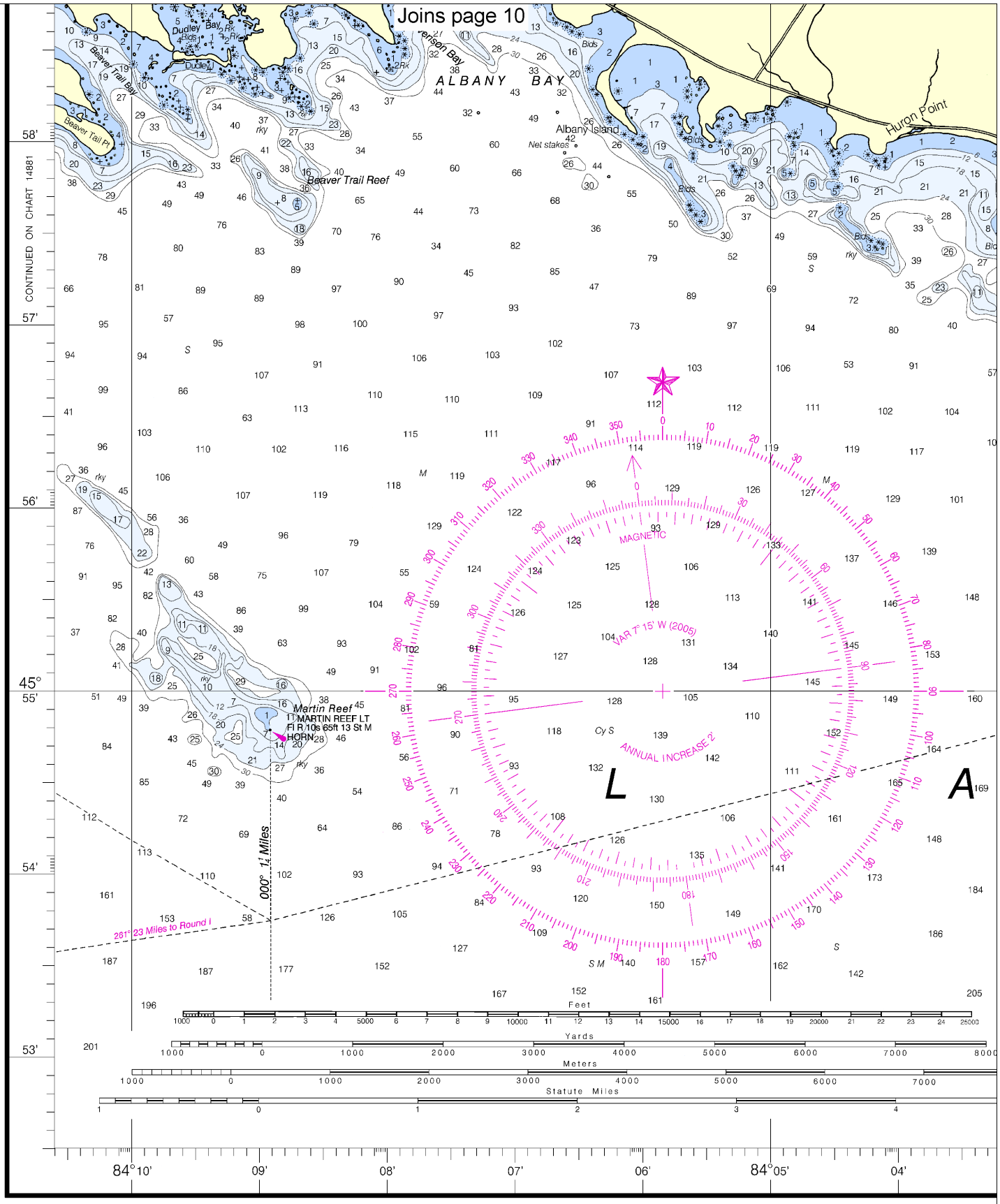
During some winter months or when endangered by ice, certain aids to navigation are replaced by other types or removed. For details see U.S. Coast Guard Light List.

NOAA WEATHER RADIO BROADCASTS

The NOAA Weather Radio station listed below provides continuous weather broadcasts. The reception range is typically 20 to 40 nautical miles from the antenna site, but can be as much as 100 nautical miles for stations at high elevations.

Sault Ste Marie, Mi KIG-74 162.55 MHz (Chan WX-1)

Joins page 21



35th Ed., Sep./05 ■ Corrected through NM Sep. 10/05
Corrected through LNM Sep. 6/05

14882

CAUTION
This chart has been corrected from the Notice to Mariners (NM) published weekly by the National Geospatial-Intelligence Agency and the Local Notice to Mariners (LNM) issued periodically by each U.S. Coast Guard district to the dates shown in the lower left hand corner.

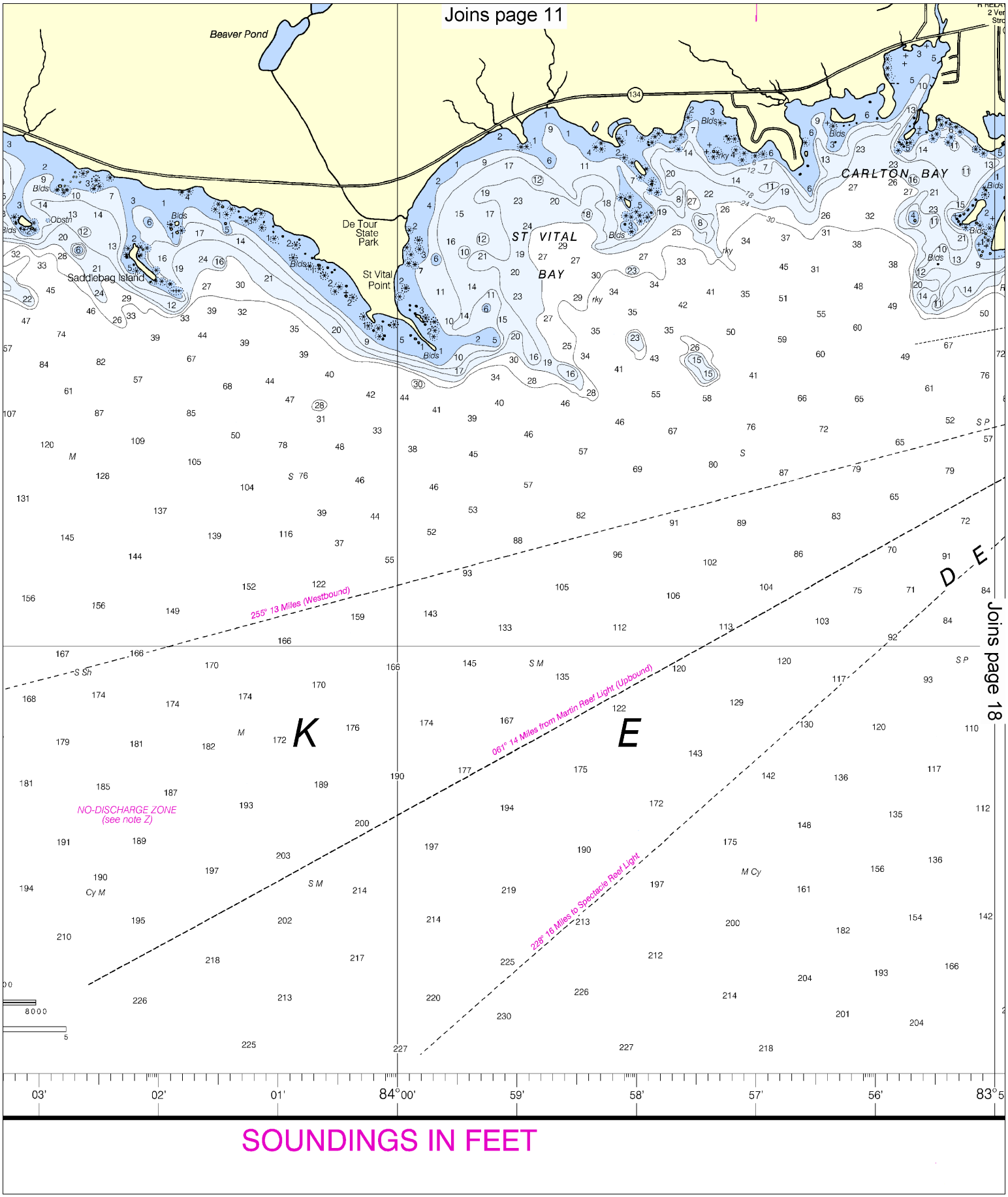
Note: Chart grid lines are aligned with true north.

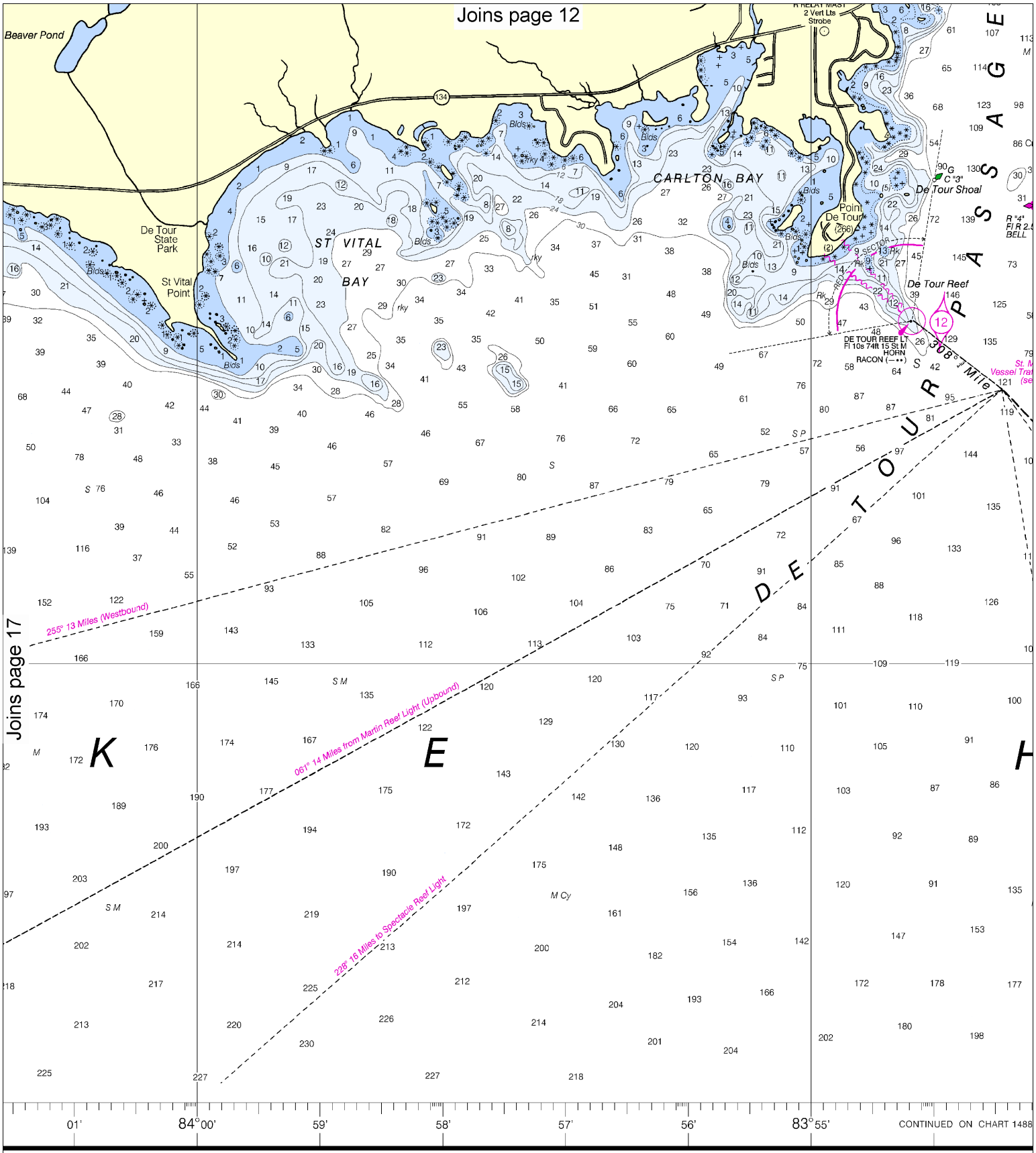
Printed at reduced scale. ~~SCALE 1:40,000~~

Nautical Miles: 1 ½ 0 1 2 3

Yards: 1000 0 1000 2000 3000 4000 5000

See Note on page 5.


Joins page 11
Beaver Pond
De Tour State Park
St Vital Point
Saddlebag Island
ST VITAL BAY
CARLTON BAY
255° 13 Miles (Westbound)
061° 14 Miles from Martin Reef Light (Upbound)
226° 16 Miles to Spectacle Reef Light
NO-DISCHARGE ZONE (see note Z)
K
E
D E
Joins page 18
03'
02'
01'
84° 00'
59'
58'
57'
56'
83° 5
SOUNDINGS IN FEET



SOUNDINGS IN FEET

Published at Was
U.S. DEPARTMENT
NATIONAL OCEANIC AND ATM
NATIONAL OCE
COAST S

Note: Chart grid lines are aligned with true north.

Printed at reduced scale.

~~SCALE 1:40,000~~

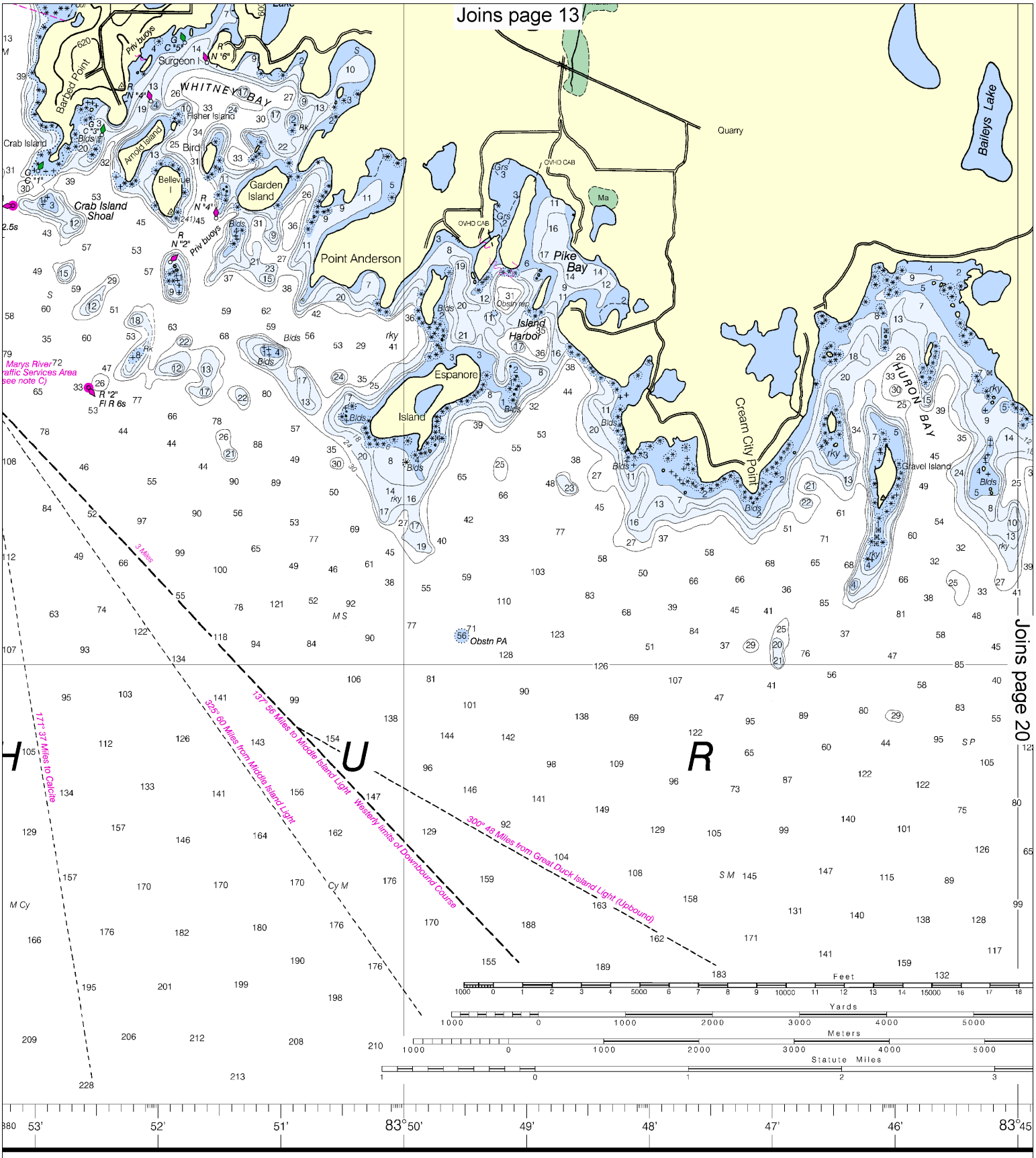
Nautical Miles

1 ½ 0 1 2 3

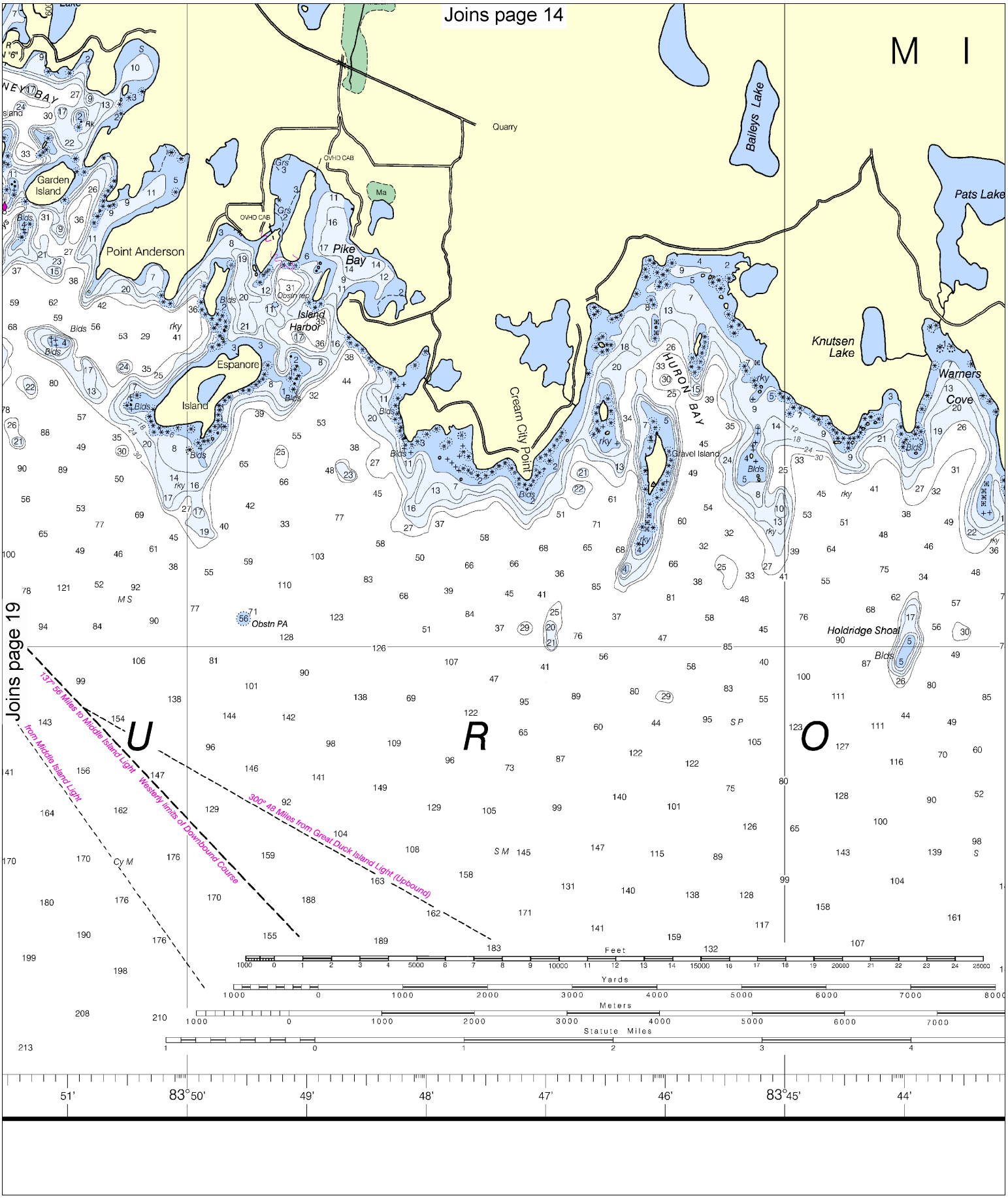
Yards

1000 0 1000 2000 3000 4000 5000

See Note on page 5.



ashington, D.C.
T OF COMMERCE
MOSPHERIC ADMINISTRATION
EAN SERVICE
SURVEY



Note: Chart grid lines are aligned with true north.

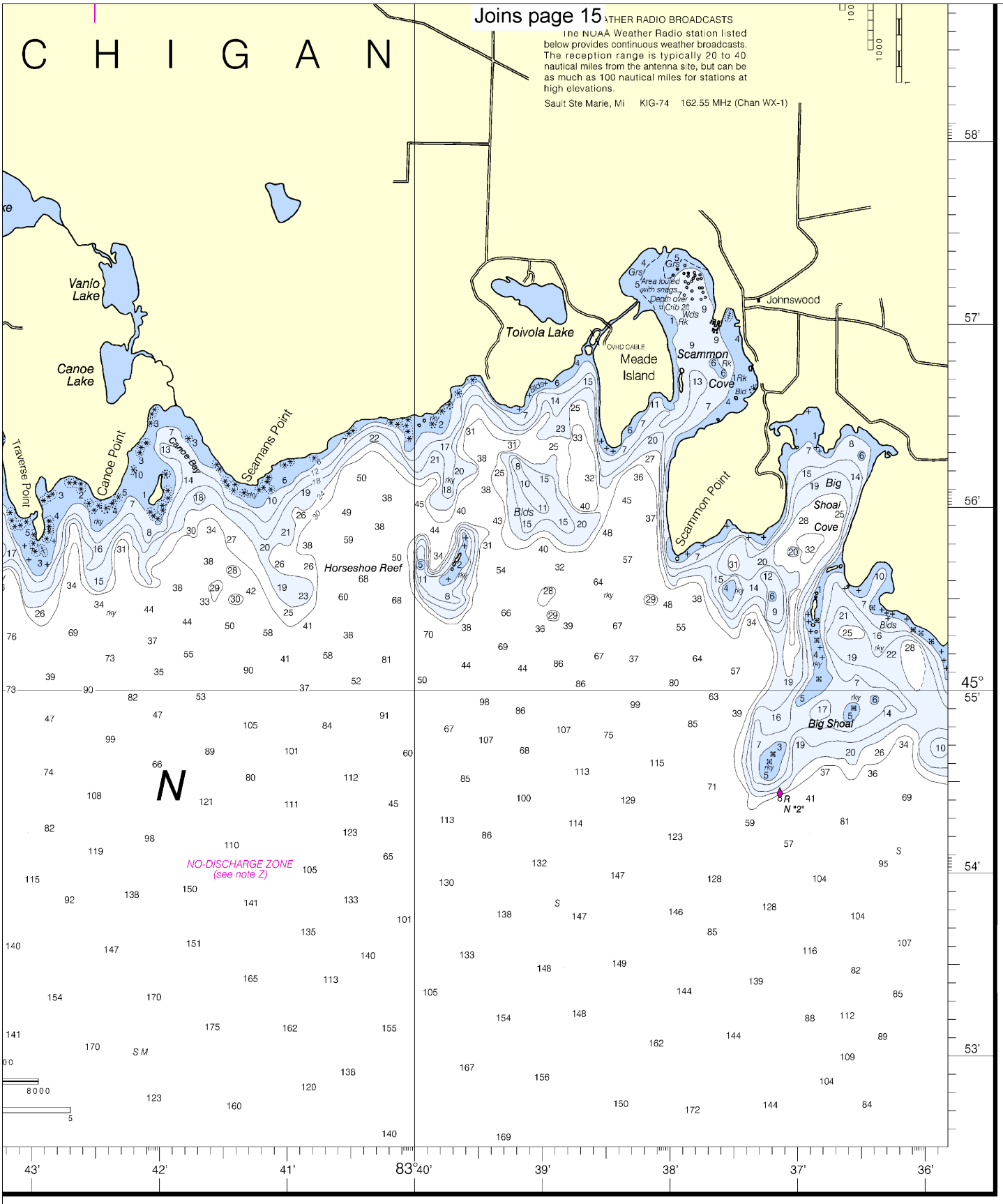
Printed at reduced scale. ~~SCALE 1:40,000~~

Nautical Miles: 1 ½ 0 1 2 3

Yards: 1000 0 1000 2000 3000 4000 5000

See Note on page 5.

Joins page 15



FATHOMS	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
FEET	6	12	18	24	30	36	42	48	54	60	66	72	78	84	90	96	102
METERS	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31																

St Marys River

SOUNDINGS IN FEET - SCALE 1:40,000

14882

ED. NO. 35

NSN 7642014010679

NGA REFERENCE NO.14XHA14882

EMERGENCY INFORMATION

VHF Marine Radio channels for use on the waterways:

Channel 6 – Inter-ship safety communications.
Channel 9 – Communications between boats and ship-to-coast.
Channel 13 – Navigation purposes at bridges, locks, and harbors.
Channel 16 – Emergency, distress and safety calls to Coast Guard and others, and to initiate calls to other vessels. Contact the other vessel, agree to another channel, and then switch.
Channel 22A – Calls between the Coast Guard and the public. Severe weather warnings, hazards to navigation and safety warnings are broadcast here.
Channels 68, 69, 71, 72 and 78A – Recreational boat channels.

Getting and Giving Help — Signal other boaters using visual distress signals (flares, orange flag, lights, arm signals); whistles; horns; and on your VHF radio. You are required by law to help boaters in trouble. Respond to distress signals, but do not endanger yourself.

Distress Call Procedures

- Make sure radio is on.
- Select Channel 16.
- Press/Hold the transmit button.
- Clearly say: "MAYDAY, MAYDAY, MAYDAY."
- Also give: Vessel Name and/or Description; Position and/or Location; Nature of Emergency; Number of People on Board.
- Release transmit button.
- Wait for 10 seconds — If no response Repeat MAYDAY call.

HAVE ALL PERSONS PUT ON LIFE JACKETS!

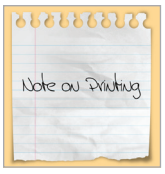
All Hazards NOAA Weather Radio NOAA's National Weather Service

NOAA Weather Radio All Hazards (NWR) is a nationwide network of radio stations broadcasting continuous weather information directly from the nearest National Weather Service office. NWR broadcasts official Weather Service warnings, watches, forecasts and other hazard information 24 hours a day, 7 days a week.
http://www.nws.noaa.gov/nwr/

Quick References

Nautical chart related products and information	—	**http://www.nauticalcharts.noaa.gov**
Online chart viewer	—	**http://www.nauticalcharts.noaa.gov/mcd/NOAAChartViewer.html**
Report a chart discrepancy	—	**http://ocsdata.ncd.noaa.gov/idrs/discrepancy.aspx**
Chart and chart related inquiries and comments	—	**http://ocsdata.ncd.noaa.gov/idrs/inquiry.aspx?frompage=ContactUs**
Chart updates (LNM and NM corrections)	—	**http://www.nauticalcharts.noaa.gov/mcd/updates/LNM_NM.html**
Coast Pilot online	—	**http://www.nauticalcharts.noaa.gov/nsd/cpdownload.htm**
Tides and Currents	—	**http://tidesandcurrents.noaa.gov**
Marine Forecasts	—	**http://www.nws.noaa.gov/om/marine/home.htm**
National Data Buoy Center	—	**http://www.ndbc.noaa.gov/**
NowCoast web portal for coastal conditions	—	**http://www.nowcoast.noaa.gov/**
National Weather Service	—	**http://www.weather.gov/**
National Hurrican Center	—	**http://www.nhc.noaa.gov/**
Pacific Tsunami Warning Center	—	**http://ptwc.weather.gov/**
Contact Us	—	**http://www.nauticalcharts.noaa.gov/staff/contact.htm**

twitter —— For the latest news from Coast Survey, follow **@nauticalcharts**



This Booklet chart has been designed for duplex printing (printed on front and back of one sheet). If a duplex option is not available on your printer, you may print each sheet and arrange them back-to-back to allow for the proper layout when viewing.

NOAA's Office of Coast Survey The Nation's Chartmaker